Abs Jour: Ref Zhur - Biol., No 19, 1958, 86854

Abstract: is categorically rejected. It is emphasized that, in connection with the ultimate goal of forestry, namely, of providing for maximally productive economic forms, a complex determination of forest economic types is necessary; this will be on the basis of a knowledge of the properties of specific woody species in their mutual relations and relations to conditions of habitat in the relationships within the biocenose as a whole (not only vegetative), and in relations and interaction with environmental conditions. Only such a method permits expedient planning of the species constitution of an economic forest planting. There are presented an outline for distinguishing, characterizing and indicating forest types; a list of groups, their geographic varieties and subgroups of Czechoslovakian forest types; an outline of the interrelations between groups of types; and an outline of concepts and

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ZLATNIK, Alois

"The larch of the Jeseniky Mountains" by Josef Nozicka. Reviewed by Alois Zlatnik. Prid cas slezsky 23 no.3:382-383 '62.

ZLATNIK, ALOIS

Dendrologie. Praha, Statni pedagogicke nakl., 1957. 133 p. (Ucebni texty vysokych skol) (Dendrology; a university textbook)
DA Not in DLC

SO: Monthly List of East European Accessions (EEAI) LC, Vol. 6, No. 12, Dec 1957. Uncl.

ZIATNIK, A.

Reforestation based on trees growing from stumps from the point of view of forest changes effected by human activity and the role of ecology. p. 109. (SBORNIK RADA LESNICTVI. Praha) (Vol. 30, No. 2, Feb. 1957)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, No. 7, July 1957. Uncl.

ZLATNIK, A.

Nature and study of mutual relations in the biocoenosis and its environment and of external influences on the biocoenosis and its environment pertaining especially to the forest. p. 5.

No. 1, 1955
SBORNIK RADA C: SPISY FAKULTY LESNICKE
Brno, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

ZLATNIK, A.

Some notes on the forests in higher altitudes of the Bohemian-Moravian Heights. p. 99.

No. 2, 1955
SBORNIK RADA C: SPISY FAKULTY LESNICKE
Brno, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

ZLATNIK, A.

Zlatnik, A.; Vozda, A.; Chumlar, J. How knowledge of forest plants can be helpful in the work of a forester. p. 65. SBORNIK. RADA 3: SPISY FAKULTY LESNICKE. Brno. No. 1/2, 1954.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

ZLATNIK, A.

Combination of the comparative biocoenotic and historical method in research on the change in forests, and reclamation of degraded forest soils using the example of northeastern Bohemia, p. 234.
SBORNIK. RADA C: SPISY FAKULTY LESNICKE. Brno.
No. 4, 1955.

SOURCE: EEAL - LC Vol. 5 No. 10 Oct. 1956.

ZLATNIK, A.

Justification of complex typological forest research and a survey of forest types in Czehoslovakia. p. 219. SBORNIK. RADA LESNICTVI. Praha. Vol. 28, no. 2, Apr. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress Vol. 5, No. 7, July 1956.

ZLATNIK, A.

Vezda, A.; Chmelar, J. How knowledge of forest plants can be helpful in the work of a forester. p. 85.
SBORNIK. RADA C: SPISY FAKULTY LESNICKE, Brno, No. 1/2, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

ZLATNIK, Alois

ZLATNIK, Alois

Stanovistni pruskum s uzemnim planovanim a ochranou prirody. [Vyd. 1.] Praha, Statni pedagogicke nakl., 1953. (Ucebni texty vysokych skol) [Spot Research in Regional Planning and the Protection of Nature. Vol. 1. Spot Research. bibl.]

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

ZLATNIK, I.

"Surface hardening of rolls by means of induction heating."

HUTNICKE LISTY, Brno, Czechoslovakia, Vol. 14, No. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

23436
Z/034/61/000/005/001/010
E073/E535

18-7100 1413,1045

AUTHOR: Zlatník, Ivan, Engineer

TITLE: Influence of hydrogen on the properties of large forgings of CrNiMo steels

PERIODICAL: Hutnické listy, 1961, No.5, pp.325-335

TEXT: In Part 1 of the paper the author deals with the influence of the process of annealing on the properties of the forgings, particularly with the following: various methods of annealing immediately after forging and their influence on the percentage of scrap; the most frequent causes of scrapping of forgings from the steel 34ChN3MA, especially of forgings of large cross-sections; the degree of through forging and the method of heat treatment; the main principles to be followed in establishing an annealing process; TTT diagram of the steel 34ChN3MA; practical application of methods of annealing of martensitic steel forgings and methods of quality control. This part deals with the experience gained by ZVTL, Pisen over a number of years in the manufacture of type 34ChN3MA CrNiMo steel of the following

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Influence of hydrogen on the ... Z/034/61/000/005/001/010
E073/E535

composition: 0.35% C, 0.55% Mn, 0.27% Si, 0.90% Cr, 3.00% Ni, 0.25% Mo. These forgings are produced from acidic open hearth steel ingots weighing 3.7 to 8 tons. Large forgings from this steel have a greater tendency to form flake cracks than similar forgings made of other types of steel. The tendency to crack formation and the quality of the forging is influenced decisively by the process of annealing immediately after forging. Two types of annealing processes are compared on the basis of results achieved in practical work. These are represented in the graph, Fig.1 (temperature, °C vs. annealing time, hours: a - continuous cooling at a speed of about 5°C/hour; b - same, combined with holding for 15 hours at 600°C; c - new method introduced for martensitic steel forgings). Originally, the annealing process according to a, Fig.1, was applied; following that, method b was introduced but produced no appreciable improvements. A statistical evaluation of the percentage of rejects over three years of forgings heat treated by the methods a and b, Fig.1, was made, investigating two groups of forgings, Group A,B,C of smaller forgings with a higher degree of through-forgings, i.e.

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with ratios of the ingot cross-section to the forging cross-section of 8.1 to 10.2, in these the scrapping was due to unsatisfactory mechanical properties after heat treatment. The second group M,N,L comprised larger ingots with relatively smaller degrees of through forging (2.3 to 2.8). It was found that the heat treatments a and b are relatively simple from the practical point of view but they do not provide a sufficient guarantee against the formation of flocculi in larger forgings of this steel. More recently, the heat treatment c, Fig.1, has been applied, paying particular attention to preventing excess charging of the furnace and to obtaining a correct position of the forgings relative to the burners. After charging the furnace and equalizing the temperature for a short time, the charge is cooled down to 200-300°C to ensure an as-complete bainitic transformation as possible or even a partial martensitic transformation. The flocculi form at low temperatures and, therefore, the forgings can be cooled at a maximum speed but care must be taken that the temperature of the coolest forging in the furnace does not drop below 200°C. Therefore, the lid of the soaking pit is taken off

Influence of Hydrogen on the ... Z/034/61/000/005/001/010
E073/E535

at first only for about 30 min to 1 hour so that the annealing is not excessively prolonged but the subsequent cooling down is in a closed furnace so as to reduce to a maximum extent the differences in temperature inside the large furnace with the large charge. The forgings which now have a predominantly bainitic structure are then subjected to long duration isothermal annealing at 650°C for the purpose of reducing the hydrogen content, eliminating internal stresses and reducing the hardness of the material. Throughout the process, the temperatures have to be carefully watched by means of pyrometers. After termination of the isothermal annealing, the forgings are allowed to cool inside the closed furnace. Introduction of this heat treatment had very good results, there were no rejects of large forgings due to internal cracks; a statistical analysis showed that after changing over to this type of heat treatment the classification of the etching tests improved by 1 to 2 degrees. The second part of the paper deals with the influence of the hydrogen content on the mechanical properties, particularly with the appearance of fractures. Extensive test data accumulated over a number of years were statistically

evaluated and the results are supplemented by results of metallographic analyses. The author states that the information given in the paper does not contribute anything new to this field but it does give a systematic treatment of phenomena encountered during practical work. Plots are included containing information on the mechanical properties and on the influence of hydrogen content (of up to 9.5 cm^3/100 g of steel) on the mechanical properties. Photographs are also included of fractures. Individual types of failures are dealt with in some detail, particularly the fibrous fracture, which is the main subject of this part of the paper. The tests have shown conclusively that the now applied method of heat treatment enables reducing considerably the hydrogen content of the forgings. There are 24 figures, 1 table and 41 references: 17 Soviet-bloc and 24 non-Soviet-bloc.

ASSOCIATION: Závody V. I. Lenina, Plzeň (V. I. Lenin Works, Pilsen)

SUBMITTED: December 7, 1960

ZLATNIK, Ivan; ZLATNIKOVA, Jindriska

Technology of forging and its effect on the quality of large forgings. Hut listy 17 no.4:240-249 Ap '62.

1. Zavody V.I. Lenina, Praha.

ZLATNIK, Ivan, inz.

Use of vacuum cast steel in making forgings. Hut listy 19 no.12: 842-851 D '64.

1. Zavody V.I. Lenina National Enterprise, Plzen.

L 34200-66 EWP(k)/EWP(t)/ETI IJP(c) JD/EW

ACC NR: AP6026104 SOURCE CODE: GE/0029/65/000/011/0649/0658

AUTHOR: Zlatnikova, Jindra (Plzen); Zlatnik, Ivan (Plzen)

49
B

ORG: Skoda Works, Plzen

TITLE: Application of vacuum steel in the manufacture of forged articles at Skoda Works, Plzen

18

SOURCE: Neue Hutte, no. 11, 1965, 649-658

TOPIC TAGS: steel forging, turbine rotor, quality control, vacuum steel

ABSTRACT: A comprehensive description was provided of the experiments leading to the introduction of vacuum steels for the manufacture of forged items such as turbine rotors at Skoda Works. The quality of the items made from such steels is superior and many items not hitherto capable of being produced by conventional techniques became possible. The manufacturing operations involved were described and sampling and quality control techniques were discussed. The characteristics of forged rotors made by various techniques were compared to illustrate the superiority of those made by the technique described. Orig. art. has: 9 figures and 2 tables. [JPRS: 34,167]

SUB CODE: 13, 11 / SUBM DATE: 17Mar65 / ORIG REF: 006 / OTH REF: 009

Card 1/1 BLG

0914 1133

L 31239-66 EWP(k)/EWP(t)/ETI IJP(c) GD/HW

ACC NR: AP6022842 SOURCE CODE: CZ/0032/66/016/002/0113/0119

AUTHOR: Zlatnikova, J. (Engineer); Zlatnik, I. (Engineer) 41 B

ORG: SKODA, Plzen

TITLE: Mechanical properties and heterogeneity of large forgings 18

SOURCE: Strojirenstvi, v. 16, no. 2, 1966, 113-119

TOPIC TAGS: metal forging, mechanical property, metal heat treatment, temperature gradient

ABSTRACT: The article outlines ways in which cavities in forgings can be prevented and the mechanical properties of forgings can be improved through an adequate heat treatment. Special attention is paid to the transition temperature in various parts of forgings and to its relation to heat treatment. Orig. art. has: 9 figures and 5 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 11, 13 / SUBM DATE: none

Card 1/1 BLG UDC: 669-134:621.731.44:669-412.1

0975 0827

ZLATNIK, K.

Heat exchangers for nuclear power installations from the point of view of design, production and materials used. Jaderna energie 6 no.4:138-139 Ap '60.

ZLATNIK, K.

Discovering defects of telecommunication cable sheths by means of radiative gases. Jaderna energie 6 no.5:176 My '60.

ACC NR: AP6022842 SOURCE CODE: CZ/0032/66/016/002/0113/0119

AUTHOR: Zlatnikova, J. (Engineer); Zlatnik, I. (Engineer)

ORG: SKODA, Plzen

TITLE: Mechanical properties and heterogeneity of large forgings

SOURCE: Strojirenstvi, v. 16, no. 2, 1966, 113-119

TOPIC TAGS: metal forging, mechanical property, metal heat treatment, temperature gradient

ABSTRACT: The article outlines ways in which cavities in forgings can be prevented and the mechanical properties of forgings can be improved through an adequate heat treatment. Special attention is paid to the transition temperature in various parts of forgings and to its relation to heat treatment. Orig. art. has: 9 figures and 5 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 11, 13 / SUBM DATE: none

Card 1/1 BLG UDC: 669-134:621.731.44:669-412.1

0775 0821

ZLATNIK, Ivan; ZLATNIKOVA, Jindriska

Technology of forging and its effect on the quality of large forgings. Hut listy 17 no.4:240-249 Ap '62.

1. Zavody V.I. Lenina, Praha.

SHLEYKIN, V.; ZLATNIKOV, G.

On the right path. Sots. trud 8 no.1:26-30 Ja '63.
(MIRA 16:2)

1. Starshiye inzhenery byuro organizatsii truda Vil'nyusskogo elektrotekhnicheskogo zavoda "El'fa".
(Vilna--Electric equipment industry--Technological innovations)
(Vilna--Suggestion systems)

ZLOTNIKOV, G.G.

Thermocopying, electronic copying, and electrographic equipment at the "Inforga-65" Exhibition; survey of the exhibits at the "Inforga-65" Exhibition held in Moscow May 15 - June 30, 1965. NTI no.9:47-54 '65. (MIRA 19:1)

ZLOTNIKOV, I.M.

Use of petroleum (casinghead) gas. Gaz. delo no.12:3-6 '63.
(MIRA 17:10)

1. Gosudarstvennyy komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot.

ZLOTNIKOV, I.M.

Completing the development of gas-condensate fields. Gaz. delo no.12:38-39 '63. (MIRA 17:10)

1. Gosudarstvennyy komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot.

ZLOTNIKOV, M.S.

Polyester maleate resin as a material for model making in the polarization-optical method of studying stresses. Zav. lab. 31 no.11:1398-1400 '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gornoy geomekhaniki i marksheyderskogo dela.

ZLOTNIKOV, S.A.

Design of a small output system conveyor with mechanized removal of overlock cuttings from workers' stations.
Leh.prom. no.1:41-42 Ja-Mr '64. (MIRA 19:1)

SAGATELYAN, L.S.; ZLOTNIKOV, S.L., inzh., retsenzent

[Appliances for safe operation of sheet-metal working presses; practice of the Moscow Automobile Plant] Pri-sposobleniia dlia bezopasnoi raboty na kholodnoshtampovochnykh pressakh; iz opyta Moskovskogo avtomobil'nogo zavoda im. I.A.Likhacheva. Moskva, Mashinostroenie, 1964. 95 p. (MIRA 17:11)

L 08445-67 FSS-2/EWT(1) DS

ACC NR: AR6019067 SOURCE CODE: UR/0274/66/000/001/A011/A012

AUTHOR: Zlotnikov, Yu. S.

TITLE: On the effectiveness of recurrent codes in the presence of dependent errors

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 1A65

REF SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 24, 1965, 119-126

TOPIC TAGS: error correcting code, coding, signal coding, communication coding, communication equipment

TRANSLATION: The relative effectiveness of certain recurrent codes proposed in recent years and intended for error corrections in communication channels in which errors are characterized by a Markovian stationary random process is discussed. Three recurrent codes are analyzed which are distinguished by the fact that they can be relatively easily used in practice if the block length does not exceed three symbols. These are: the Hagelbarger-Fink code, the type B2 code, and a recurrent code based on a cyclic code. The tables of the basic codes are included with data on the length of the correcting group, the code carrying capacity, and the number of units in coding-decoding equipment. The calculated dependence of the error probability on the length of the correcting group is given. It is concluded that for a long correcting group, the effectiveness of the codes is practically identical. Correction of error groups 4 to 6

UDC: 621.391.152

Card 1/2

ACC NR: AR6019067

symbols long appears to be optimal since an increase in group size leads to more complex equipment. 2 figures, 5 references. E. R.

SUB CODE: 17

Card 2/2

L 34200-66 EWP(k)/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6026104 SOURCE CODE: GE/0029/65/000/011/0649/0658

AUTHOR: Zlatnikova, Jindra (Plzen); Zlatnik, Ivan (Plzen)

ORG: Skoda Works, Plzen

TITLE: Application of vacuum steel in the manufacture of forged articles at Skoda Works, Plzen

SOURCE: Neue Hutte, no. 11, 1965, 649-658

TOPIC TAGS: steel forging, turbine rotor, quality control, vacuum steel

ABSTRACT: A comprehensive description was provided of the experiments leading to the introduction of vacuum steels for the manufacture of forged items such as turbine rotors at Skoda Works. The quality of the items made from such steels is superior and many items not hitherto capable of being produced by conventional techniques became possible. The manufacturing operations involved were described and sampling and quality control techniques were discussed. The characteristics of forged rotors made by various techniques were compared to illustrate the superiority of those made by the technique described. Orig. art. has: 9 figures and 2 tables. [JPRS: 34,167]

SUB CODE: 13, 11 / SUBM DATE: 17Mar65 / ORIG REF: 006 / OTH REF: 009

Card 1/1 BLG

0916 1153

ZLOTNITSKIY, L.V.

High-speed convection drying of paper by means of hoods with blast nozzles. Bumagodel. mash. no.12:79-99 '64. (MIRA 17:11)

ZLATOGURSKAYA, I. P., CAND GEOL-MIN SCI, "MINERALOGY OF THE ZOID POLYMETALLIC DEPOSIT AND ITS COMPARISON WITH THE SADON DEPOSIT (NORTHERN CAUCASUS)." MOSCOW, 1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR, KRASNOYARSK INST OF NON-FERROUS METALS IM M. I. KALININ). (KL, 3-61, 207).

ZLATOKRILETS, N.; SHKOL'NIKOV, B., red.; KONTAR, K., tekhn.red.

Kramatorsk. Kyiv, Derzh.vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1958. 1 v. (MIRA 12:11)
(Kramatorsk--Description)

ZLATOGOROV, A.

At the service of his country. Kryl.rod.2 no.5:11:12 My '51.
(Kozhedub, Ivan Nikitovich) (MLRA 10:2)

ZLATOGOROV, M.

22626 Geroicheskoye Sormovo. [K 100-Letiyu Zavoda (Krasnoye Sormovo) Im. Zhdanova. Ocherk] Ogonek, 1949, No. 28, S 9-10

SO: Letopis' 30, 1949

ZLATOGOROV, Mikh.

Ul'ianovsk meets the spring. Rabotnitsa 36 no.4:5-6 Ap '58.
(MIRA 11:4)
(Ul'ianovsk--Description)

ZLATOGOROV, M.

22626. ZLATOGOROV, M. Geroicheskoye sormovo (K 100-letiyu zavoda krasnoye sormovo im. Zhdanova. Ocherk) Ogonek, 1949, No. 28, S 9-10

SO: LETOPIS' No. 20, 1949

ZLATOGOROV, M.; KOROSTELEVA, Ye., redaktor; YAKOVLEVA, Ye., tekhnicheskiy redaktor.

[Sons of the factory] Syny zavoda. [Moskva] Moskovskii rabochii, 1951. 39 p. [Microfilm] (MLRA 7:10)
(Davydov, Sergei Vasil'evich)

ZIATOGOROV, Z.M.

Achievements of an outstanding miner team. Bezop.truda v prom. 3 no.9:28-29 S '59. (MIRA 13:2)
(Stalino Province--Coal mines and mining)

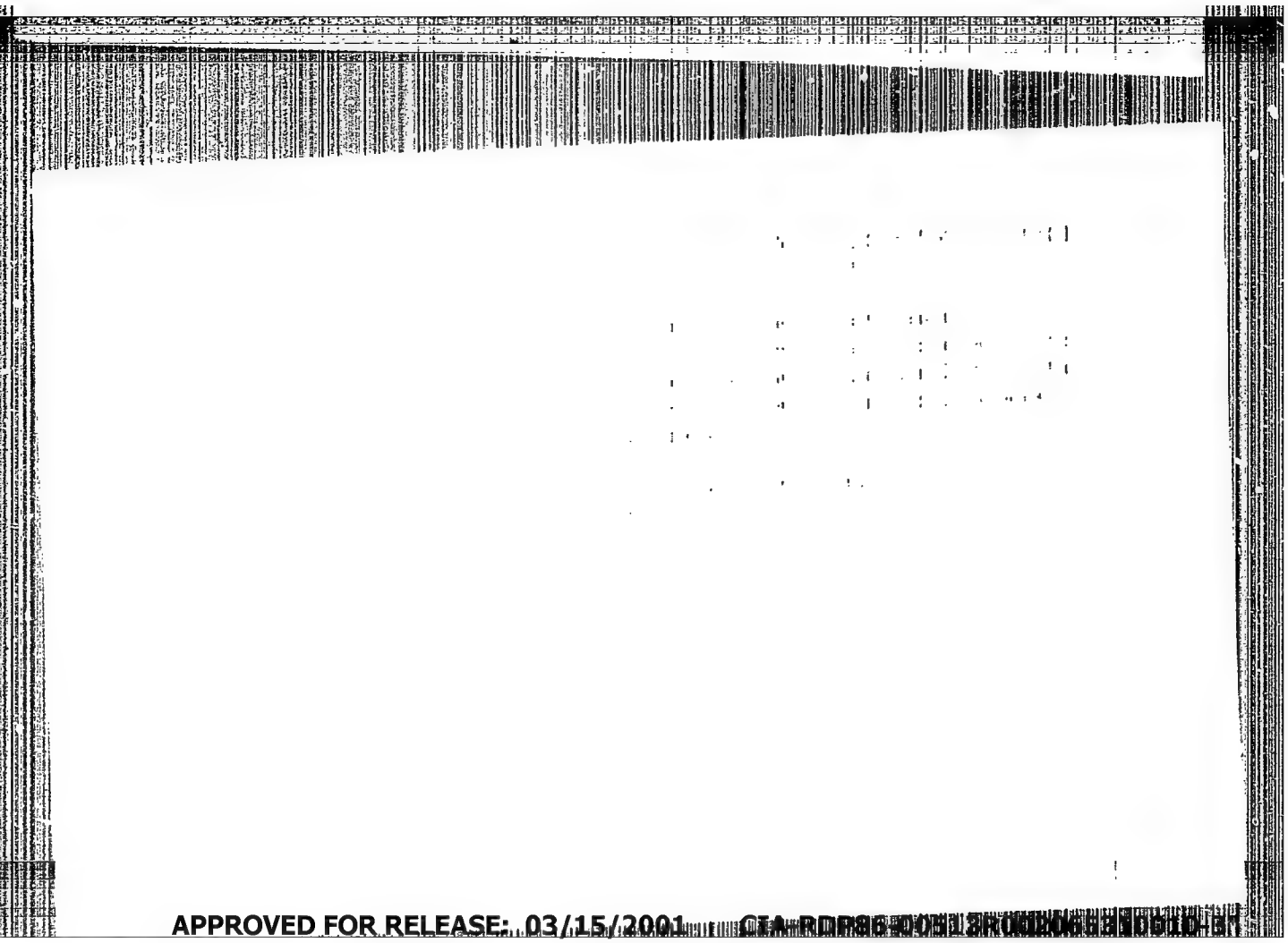
ZLATOGOROV, Z.N.

At the Seventh Congress of the Trade Union of Coal Miners. Bezop.-truda v prom. 6 no.6:35-36 Je '62. (MIRA 15:11)
(Trade unions--Congresses) (Coal miners)

GRECHISHKIN, V.S.; ZLATOGORSKIY, M.L.

Effect of impurities on the chemical shift of nuclear magnetic resonance signals from Na^{23} in alkali metal halide crystals. Fiz. tver. tela 6 no. 4:1238-1240 Ap '64. (MIRA 17:6)

1. Permskiy gosudarstvennyy universitet.



ACCESSION NR: AP4028462 S/0181/64/006/004/1238/1240

AUTHORS: Grechishkin, V. S.; Zlatogorskiy, M. L.

TITLE: Influence of impurities on the chemical shift of nuclear magnetic resonance signals of sodium 23 in alkali-halide crystals

SOURCE: Fizika tverdogo tela, v. 6, no. 4, 1964, 1238-1240

TOPIC TAGS: nuclear magnetic resonance, impurity chemical shift, sodium 23, alkali halide crystal

ABSTRACT: The effect of impurities on the NMR chemical shift of Na^{23} in alkali-halide crystals was investigated experimentally. The magnitude of the chemical shift

$$\sigma = \frac{\nu_k - \nu_p}{\nu_p},$$

where ν_k and ν_p are the NMR frequencies with a fixed external magnetic field in the crystal and in a dilute solution respectively. The use of aqueous solutions of

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ACCESSION NR: AP4028462

sodium chloride as a reference signal for measurement of σ in alkali-halide crystals was indicated by the fact that no concentration dependence was observed. The chemical shift was measured relative to the aqueous solution of sodium chloride in solid solutions of NaCl + NaBr in varying proportions. The experimental value of σ was reduced by roughly 2.5 times with only 10% impurity, and with larger concentrations (50%-70%) positive shifts were obtained. This is evidently due to the second-order quadrupole effect, since the introduction of bromine ions into the sodium chloride lattice disrupts the cubic symmetry about the sodium nuclei. Orig. art. has: 7 equations and 1 table.

ASSOCIATION: Permskiy gosudarstvennyy universitet (Perm' State University)

SUBMITTED: 07Oct63 DATE ACQ: 27Apr64 ENCL: 00

SUB CODE: GP NO REF SOV: 003 OTHER: 004

Card 2/2

S/181/62/004/010/061/063
B102/B104

AUTHORS: Grechishkin, V. S., Zlatogorskiy, M. L., and Osipenko, A. N.

TITLE: Magnetic screening of the Na^{23} nucleus in alkali-halide crystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 10, 1962, 2987 - 2989

TEXT: The magnetic screening of the Na^{23} nucleus, not hitherto investigated, was now studied by measuring the chemical shift of the nuclear magnetic resonance signal. The measurements were made in a uniform magnetic field of 5.8 koe (instability 10^{-5}/hr, nonuniformity $10^{-6}/cm^3$), the n.m.r. signals were observed at 6.5 Mc. The following values for the magnetic screening σ were obtained: $\sigma_{exp} \cdot 10^4 = -(0.21\pm0.05)$, $-(0.27\pm0.07)$, $-(0.41\pm0.10)$, $-(0.42\pm0.12)$ for Na^{23} in NaF, NaCl, NaBr, and NaI respectively. For NaCl, σ was calculated on the basis of the Kondo-Yamashita model (J. Phys. Chem. Solids, 10, 245, 1959) and the value of $-0.36 \cdot 10^{-4}$ obtained is in good agreement with experiment. Also the mean excitation energies of the outer np electrons were calculated

Card 1/2

1. ZLATOGORSKIY, N. V.

2. USSR (600)

3. Windbreaks, Shelterbelts, etc.

4. Augment and improve techniques of shelterbelt forestry. Les i step' 5 No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

ZLATOGORSKII, M.V.

Agricultural Machinery--Maintenance and Repair

Getting ready for machinery and tractor repair on time. Les i step' 4, no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, DECEMBER 1952 Uncl.

ZLATOGORSKIY, N. V.

Afforestation

Task of shelterbelt and machine-tractor stations in preparation for spring labor.
Les i step' 4 No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

1. ZLATOGORSKIY, N. V., ENG.

2. USSR (600)

4. Machine-Tractor Stations

7. Unit method is a basic way for repairing equipment of the machine-tractor station. Les i step' 4 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

1. ZLATOGORSKIY, N. V. Eng.

2. USSR (600)

4. Agricultural Machinery-Repairing

7. Unit method is a basic way for repairing equipment of the machine-tractor station. Les i step' 4 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

ZLATOGURSKAYA, I. P.

(3)

The copper-bearing sandstones of the basin of the Ishim River in Kazakhstan. V. G. Samozhnikov and I. P. Zlatogurskaya. *Byull. Moskov. Obshchestva Ispytatel. Prirody, Otdel Geol.* 28, No 6, 15–26 (1953). —The following data concerning the Cu sandstones are given: (1) stratigraphic distribution in the Paleozoic series, (2) characteristics of the tectonic structure and lithology of the surrounding rocks, and (3) characteristics of the ore minerals. Two tables give results of chem. analyses of the HCl extns. of a series of sandstones and siltstones and of some limestones. Six photomicrographs show 3 forms of segregation of the ore minerals in the cupriferous sandstones. G. S. Mac

10/12/54 CM

ZLATOGURSKAYA, I.P.

Initial zoning in the Zgid complex metal deposit [with summary in English]. Sov.geol. 1 no.6:145-156 Je '58. (MIRA 11:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Caucasus, Northern--Mineralogy)

5 (3)

AUTHORS: Gorin, Yu. A., Ivanov, V. S., Pushnova, T. G., Zlatogurskaya, V. V. SOV/79-29-4-13/77

TITLE: Diene Hydrocarbons From Unsaturated Alcohols (Diyenovyye uglevodorody iz nepredel'nykh spirtov). III. Catalytic Cleavage of Allyl Carbinol (III. Kataliticheskoye razlozheniye allilkarbinola)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1104 - 1108 (USSR)

ABSTRACT: On the strength of previous investigations of the authors (Ref 9) and other chemists (Refs 1-8) it is shown in the present paper that under conditions under which an α, β-unsaturated alcohol (crotyl alcohol) readily splits off water and yielding divinyl with 85-88 mole%, the allyl carbinol primarily undergoes cleavage, thus yielding propylene and formaldehyde. The authors investigated the process of the catalytic transformation of allyl carbinol on some dehydrating components of the catalyst of S. V. Lebedev at 350° as well as on the silicagel-tantalum catalyst at 370°. Under these conditions divinyl is formed from allyl carbinol in small quantities only. It was found that on the dehydrating components of the cata-

Card 1/2

Diene Hydrocarbons From Unsaturated Alcohols. III.Cata- SOV/79-29-4-13/77
lytic Cleavage of Allyl Carbinol

lysts B and B_2 of Lebedev chiefly a cleavage of the allyl carbinol takes place to give propylene and formaldehyde. The data obtained do not support the assumption that the formation of divinyl via the allyl carbinol is possible in the process of Lebedev. In order to complete the above-mentioned data it must be said that the transformation of butanediol-1.3 on the dehydrating component of the catalyst of Lebedev takes place under the formation of a considerable quantity of propylene (Ref 15). In the liquid cleavage products of butanediol -1.3 on the Lebedev catalyst methyl alcohol was found (Ref 16). Comparing the data obtained by Lebedev and those of the present paper it may be assumed that butanediol -1.3 splits off in the beginning one molecule of water and is converted to allyl carbinol which is cleft under the influence of the dehydrating component to give propylene and formaldehyde. The latter is reduced to methyl alcohol (Scheme). There are 1 table and 26 references, 17 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)
SUBMITTED: February 10, 1958
Card 2/2

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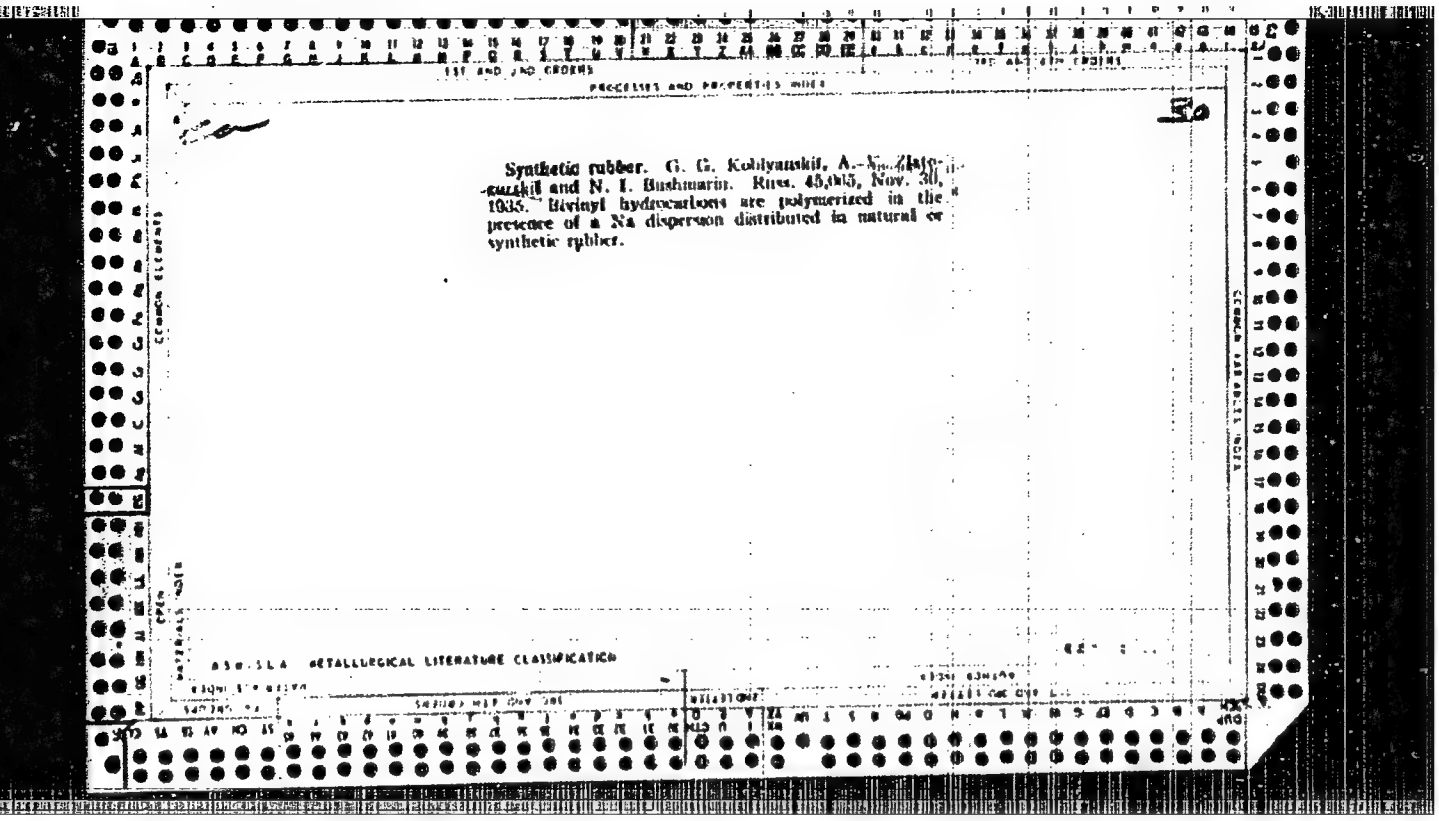
A. I. SAVELEV, Sintet. Kauchuk 1936, No. 4, 18-22.



Synthetic rubber. G. G. Kobliyanskii, A. [illegible]-gurskii and N. I. Bushmarin. Russ. 45,915, Nov. 30, 1935. Divinyl hydrocarbons are polymerized in the presence of a Na dispersion distributed in natural or synthetic rubber.

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Thermostat for checking alcoholometers made of metal. Izm.tekh. no.4:75 Jl-Ag '56. (MLRA 9:11)
(Alcoholometer) (Thermostat)

KUPA, Frantisek, inz.; ZLATOHLAVEK, Frantisek

Forging of links for flying shears of blooming mills. Hut listy 17 no.12:853-856 D '62.

1. Vitkovicke zelezarny Klementa Gottwalda, Ostrava.

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1. Vitkovicke zelezarny Klementa Gottwalda, zavod 3, Ostrava - Vitkovice.

ZLATOLINSKIY, V.N., arkhitektor; CHETYRKIN, D.A., arkhitektor; ZHUKOV, Ya.N., arkhitektor.

Example of the design of an industrial complex for enterprises of the chemical industry. Prom. stroi. 42 no.12:40-42 D '64. (MIRA 18:3)

LUK'YANOV, V.I.; KHORKHOT, A.Ya.; ZORKIN, G.N.; NORMANN, B.B.; PLESHKOV, L.Ye.; LYTKIN, K.F.; KOZHEVNIKOV, O.A.; TEMCHIN, N.A.; ORLOV, V.V.; ZLATOLINSKIY, V.N.; MAKHOV, M.S.; RUKAVISHNIKOV, I.D.; SHITOVA, L.N., red.izd-va; OSENKO, L.M., tekhn.red.

[Instructions for drafting general plans of industrial enterprises] Ukazaniia po proektirovaniiu general'nykh planov promyshlennykh predpriiatii. Odobreny Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 15 noiabria 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1961. 131 p. (MIRA 15:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut gradostroitel'stva i rayonnoy planirovki. 2. Akademiya stroitel'stva i arkhitektury SSSR, Nauchno-issledovatel'skiy institut gradostroitel'stva i rayonnoy planirovki (for Luk'yanov). 3. Akademiya stroitel'stva i arkhitektury USSR, Nauchno-issledovatel'skiy institut gradostroitel'stva (for Khorkhot). 4. Giproaviaprom (for Zorkin, Normann). 5. Gosudarstvennyy soyuznyy institut po proyektirovaniyu metallurgicheskikh zavodov (for Pleshkov). 6. Gosudarstvennyy institut po proyektirovaniyu zavodov tyazhelogo mashinostroyeniya (for Lytkin, Kozhevnikov). 7. Gosudarstvennyy proyektnyy institut No.1 (for Temchin). 8. Gosudarstvennyy proyektnyy institut stroitel'noy promyshlennosti (for Orlov, Zlatolinskiy). 9. Gosudarstvennyy proyektnyy institut po promyshlennomu transportu (for Makhov, Rukavishnikov).

(Industrial plants--Design and construction)

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198 p. illus., diagrs., tables.
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Determination of the saving of fuel by hydroelectric power stations over a period of several years using a digital computer. Elek.sta. 33 no.12:30-33 D '62. (MIRA 16:2)
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SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

VOLOVICH, N.I.; KRASOVITSKAYA, A.M.; MIKULINSKAYA, R.M.; ZLATOPOL'SKAYA, R.D.; EDEL'SHTEYN, R.I.; SAVITSKAYA, E.K.; PARKHOMENKO, L.T.; DENISOV, V.S., professor, direktor; KIMINA, O.I.; SOKOLOV, G.S.; ISTOMINA, I.D.; GORDIYENKO, Ye.G.; KLYUCHNIKOVA, L.Sh.; NADTOKA, V.L.; NOCHINA, V.N.; AVTONOMOVA, L.V.; BEREZUB, L.G.; GOL'DENBERG, R.A.; BELAYA, O.S.; SAVCHENKO, A.M.

Study of efficacy of the enteral immunization against dysentery. Authors' abstract. Zhur.mikrobiol.epid.i immun. no.8:27 Ag '53. (MLRA 6:11)

1. Ukrainskiy institut epidemiologii i mikrobiologii im. I.I.Mechnikova v Khar'kove. (Dysentery)

VOLOVICH, N.I.; ZLATOPOL'SKAYA, R.D.; SHCHIT, O.R.; TOMSKAYA, N.N.; MARKOVA, L.A.; SAVCHENKO, A.M.; BELAYA, O.S.

Epidemiologic effectiveness of phage prevention of dysentery by using dry dysentery bacteriophage. Zhur.mikrobiol.epid.i immun. no.1:45 Ja '54. (MLRA 7:2)

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VOLOVICH, N.I.; KRASOVITSKAYA, A.M.; ZLATOPOL'SKAYA, R.D.; MIKULINSKAYA, R.M.; PETRENKO, M.D.; ZHUK, A.S.; CHERKAVSKAYA, T.N.; GOL'DENBERG, R.A.

Studies on the efficiency of enteral immunization against dysentery with poly-antigen immunogen; authors' abstract. Zhur.mikrobiol.epid. i immun. no.8:32-33 Ag '54. (MLRA 7:9)

1. Iz Khar'kovskogo instituta vaktsin i syvorotok imeni Mechnikova (dir.kandidat biologicheskikh nauk G.P.Cherkas) i Khark'kovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach A.I.Stul'nikov)

(DYSENTERY, BACILLARY, prevention and control,
*poly-antigen immunogen)
(ANTIGENS AND ANTIBODIES,
*poly-antigen immunogen in prev. of bacillary dysentery)

VOLOVICH, N.I.; ZLATOPOL'SKAYA, R.D.; ROMASHKO, Yu.V.

Effectiveness of intranasal revaccination against diphtheria.
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(DIPHTHERIA--PREVENTIVE INOCCULATION)

USSR/Microbiology - Sanitation Microbiology. F-4

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67226

Author : Volovich, N.I., Mikulinskaya, R.M., Zlatopol'skaya, R.D., Ishchenko - Linnik, K.M.

Inst : Khar'k. in-t

Title : Data on the Etiology and Epidemiology of Food Toxin Infections.

Orig Pub : Tr. Khar'kovsk n.-i. in-ta vaktsin i syvorotok, 1957, 24, 235-240

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"Combined treatment of children suffering from chronic dysentery."

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GRES', B.Ye..; ZIATOPOL'SKAYA, R.D.; ROMASHKO, Yu.V.

Effectiveness of gamma-globulin prepared from blood obtained during artificial abortion. Vop. okh. mat. i det. 3 no.1:69-72 Ja-F '59. (MIRA 12:2)

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(GAMMA GLOBULIN)

MIKULINSKAYA, R.M.; FYADINA, D.D.; DROMASHKO, A.I.; SHULICHENKO, A.I.; ROMASHKO, Yu.V.; ZLATOPOL'SKAYA, R.D.; BERGOL'TSEVA, L.A.; VEREZUB, L.G.; CHAYKINA, T.N.; YEMEL'YANOVA, O.I.; GINZBURG, L.Ya.; GOLODYUK, L.F.; KUMYANTSEVA, I.V.; VYCHEGZHANIN, A.G.; GOL'DENBERG, R.A.

Data on the study of the epidemiological effectiveness of vaccination against influenza in Kharkov in October 1957. Vop.virus. 4 no.4:407-411 Jl-Ag '59. (MIRA 12:12)

1. Khar'kovskiy institut vaktsin i syvorotok imeni I.I. Mechnikova.
(INFLUENZA, prevention & control)

ZLATOPOL'SKAYA, R.D.; STAROBINETS, G.M.; SHULICHENKO, A.I.; ROMASHKO, Yu.V.; KRASOVITSKAYA, A.M.

Experience in cupping foci of epidemic hepatitis in children's preschool establishments. Vop.virus. 7 no.6:724-725 N-D '62. (MIRA 16:4)

1. Khar'kovskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok imeni Mechnikova i Ukrainskiy institut usovershenstvovaniya vrachey i Khar'kovskaya gorodskaya sanitarno-epidemilogicheskaya stantsiya.

(HEPATITIS, INFECTIOUS) (GAMMA GLOBULIN)

GRES', B.Ye.; ZLATOPOL'SKAYA, R.D.; ROMASHKO, Yu.V.; ROZINA, TS.S.

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(SCARLET FEVER)

GALITSKIY, B.M.; KODYAKOVA, A.I.; ZLATOVRATSKAYA, R.R.; RIMGOR, V.S., otv.red.; PEVZNER, A.S., zaveduyushchiy red.izd-va; SHERSHNEVA, N.V., tekhn.red.

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(Wages) (Concrete construction)

ZLATOPOL'SKAYA, T.

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Sots.trud no.12:113-115 D '58. (MIRA 13:4)

1. Nachal'nik planovo-proizvodstvennogo otdela zavoda No.4 Glavmosshelezobetona.
(Moscow--Reinforced concrete) (Hours of labor)

ZLATOPOL'SKAYA, Ye.I., assistent

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1. Iz kafedry normal'noy fiziologii (zav. - prof. P.A.Nekrasov) Kurskogo gosudarstvennogo meditsinskogo instituta.
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Mbr., Clinic Children's Diseases, Therapeutic Faculty, 2nd Moscow Med. Inst. im. I. V. Stalin at Children's Clinical Hosp., -c1948-. "The Problem of Papillomatosis of the Larynx in Children," Pediatrics, No. 2, 1948; "Virus Groups in the Light of Contemporary Knowledge," ibid., No. 6, 1948.

ZLATOPOL'SKAYA, Ye. S.

USSR/Medicine - Viruses Nov/Dec 47
Medicine - Diagnosis - Methods

"Virus Groups in the Light of Contemporary Knowledge," Ye. S. Zlatopol'skaya, 9 pp

"Pediatriya" No 6

A chart, approved by the Commission on Groups of the Sci Med Soviet RSFSR, for the differential diagnosis of epidemic and seasonal virus groups is given.

61/49167

ZLATOPOL'SKAIA, E. S.

Tuberculous bronchadenitis simulating diphtherial croup in children. Pediatriia, Moskva No. 4, July-Aug. 50. p. 38-9

1. Of the Clinic for Children's Diseases (Director--Prof. N. I. Osinovskiy) of the Therapeutic Faculty, Second Moscow Medical Institute imeni I. V. Stalin attached to the Children's Clinical Hospital (Director--Ye. V. Prokhorovich).

CLML 19, 5, Nov., 1950

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Larynx - Tuberculosis

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Klinika detskikh bolezney lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni I.V. Stalina, na baze Detskoy klinicheskoy bol'nitsy. (for Osinovskiy and Zlatopol'skaya). 2. Detskaya klinicheskaya bol'nitsa (for Prokhorovich). (Mouth--Diseases) (Larynx--Diseases) (Medical Mycology)

ZLATOPOL'SKAYA, Ye.S.

"Tea fungus" infusion for treating stomatitis in children.
Pediatriia no.4:82 Jl-Ag '55. (MLRA 8:12)

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(STOMATITIS) (PHARMACOLOGY)

ZLATOPOL'SKAYA, Yu. D. --"Investigation of the Physicochemical Properties of Individual Fractions of Edible Vegetable Oils, Subjected to Molecular Distillation." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Moscow Inst for National Economy imeni G. V. Plekhanov, Moscow, 1955

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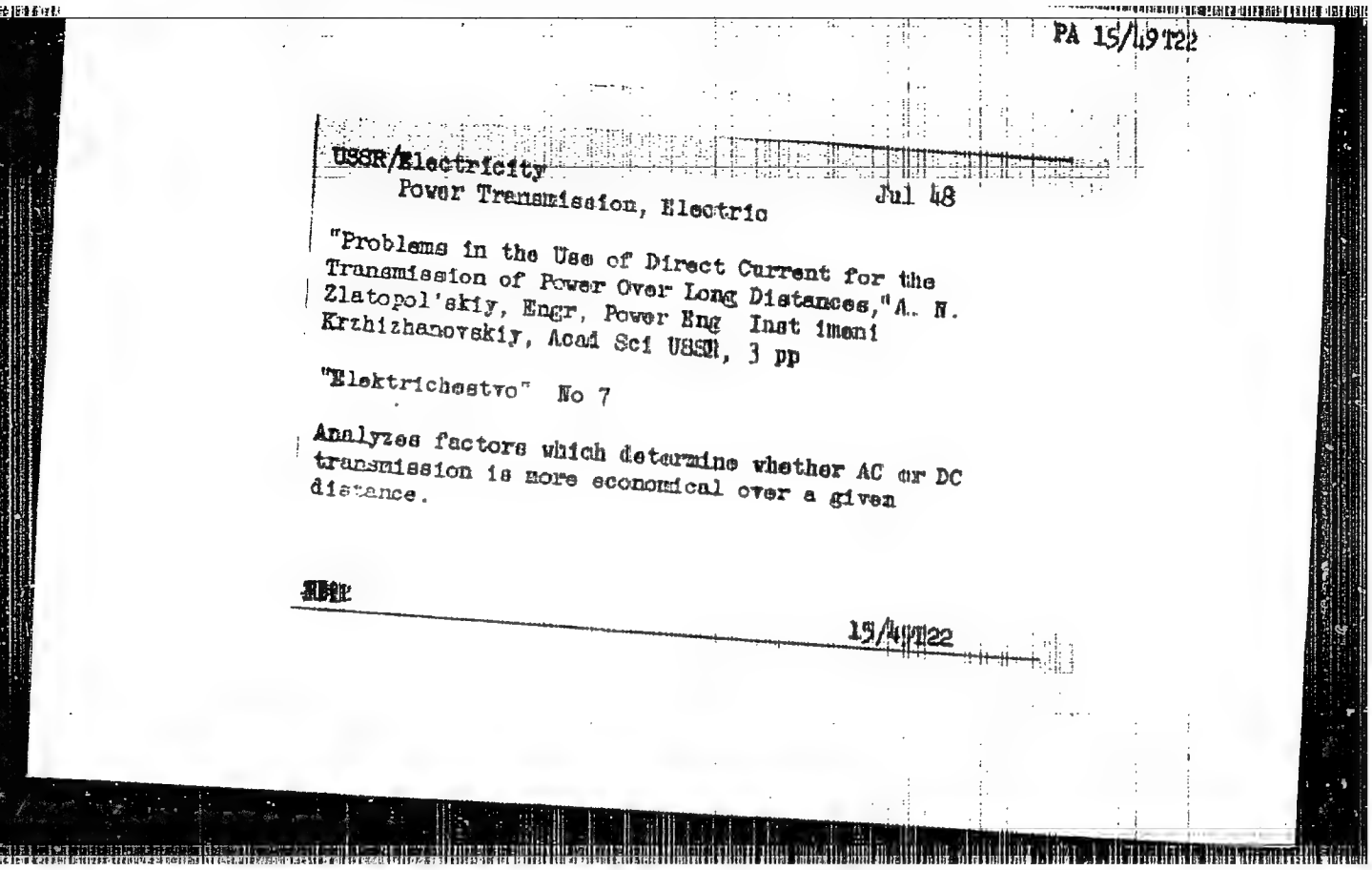


PA 15/49T22

USSR/Electricity
Power Transmission, Electric Jul 48

"Problems in the Use of Direct Current for the Transmission of Power Over Long Distances," A. N. Zlatopol'skiy, Engr, Power Eng Inst imeni Krzhizhanovskiy, Acad Sci USSR, 3 pp

"Elektrichestvo" No 7

Analyzes factors which determine whether AC or DC transmission is more economical over a given distance.

15/49T22

ZLATOPOL'SKIY, A. M.

USSR/Electricity
Power Network
Hydroelectric Power Plants

PA 52/49T28

Jun 49

"Partial Unification of Hydroelectric Stations in Covering the Maximum Load of a Union of Power Systems," A. M. Zlatopol'skiy, Power Engr Inst imeni G. M. Krzhizhanovskiy, Acad Sci USSR, 5 pp

"Elektrichestvo," Otdel Tekh Nauk," No 6

It is established that exploitation of hydroelectric stations in a union of systems will yield great savings in capital investment and in fuel. Replacing thermoelectric units with hydroelectric ones

USSR/Electricity (Contd) 52/49T28

Jun 49

will improve frequency regulation conditions in power systems. Introduces method to evaluate changes in the participation of hydroelectric stations in covering maximum loads for a union of two power systems in comparison with their separate exploitation for future design conditions. Submitted by Acad G. M. Krzhizhanovskiy, 15 Feb 49.

52/49T28

Dissertation: "Conditions Determining the Effectiveness of the Two Distant Electric Power Systems of Complex Structure." Cand Tech Sci

30/3/50

Power Engineering Inst imeni G. M. Krzhizhanovskiy Acad Sci USSR

SO Vecheryaya Moskva
Sum 71

ZLATOPOL'SKIY, A. N.

16817

USSR/Electricity - Network, Power
Fuel, Economy

Jun 50

"Certain Questions Concerning an Efficient Load Coverage of Interconnected Electrical Power Networks," A. N. Zlatopol'skiy, Power Eng Inst imeni Krzhizhanovskiy, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 6, pp 845-850

Obtains equations to determine magnitudes of power currents, that can be transmitted over intersystem connecting line, from hydroelectric plant and steam-electric plant, for which sum of expenditures of fuel to cover loss of electrical power in transmission line and to transport fuel by rail are minimum. Submitted 5 Nov 49 by Acad G. M. Krzhizhanovskiy.

16817

Sect. B.

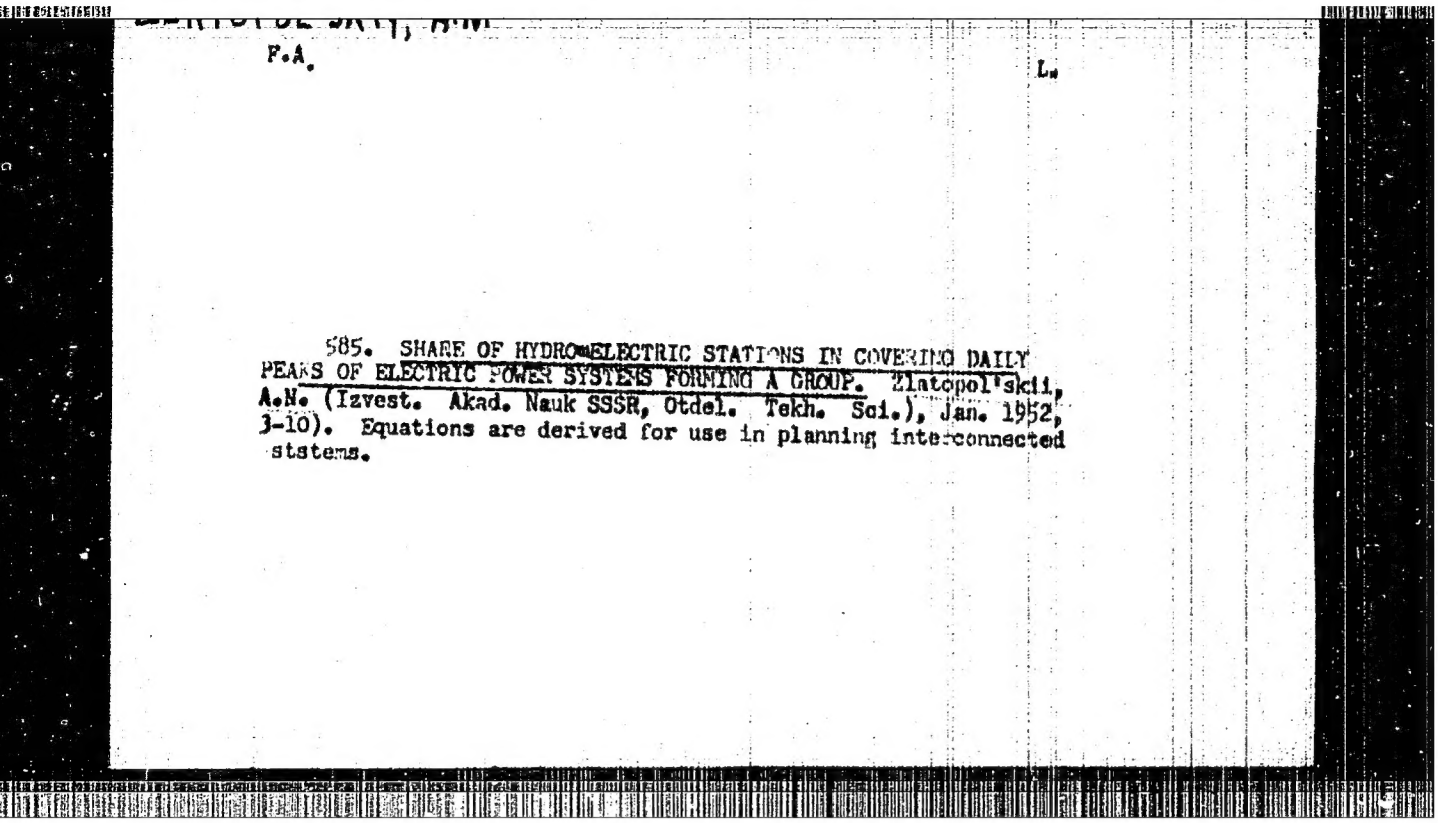
Power Stations

621.311.21 : 621.311.15

1013. The role of hydro-electric power stations in covering the peak load during 24 hours operation of a power system. [illegible] *Gidrotekh. Stroit.*, *No.* 9, 20–3 (1951) *In Russian.*

This role is limited by the station's installed capacity and available energy. Optimum participation of a single station, or a group of stations, can be quickly determined using quoted formulae and a graph. An accuracy of 95–97% is obtained when hydro-electric station covers 4 to 6% of the daily energy output of a system.

J. LUKASZEWICZ



F.A. L.

585. SHARE OF HYDRO-ELECTRIC STATIONS IN COVERING DAILY PEAKS OF ELECTRIC POWER SYSTEMS FORMING A GROUP. Zlatopol'skii, A.N. (Izvest. Akad. Nauk SSSR, Otdel. Tekh. Sci.), Jan. 1952, 3-10). Equations are derived for use in planning inter-connected ststems.

ZLATOPOL'SKIY, A. N.

Electric Networks

Operating process of a hydroelectric power station in the daily load schedule of an electric power system. Izv. AN SSSR. Otd. tekh. nauk No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

KAROL', L.A., kand.tekhn.nauk; ZLATOPOL'SKIY, A.N., kand.tekhn.nauk

Determining the saving of fuel in an electric power system using water power. Gidr. stroi. 31 no.1:27-33 Ja '61. (MIRA 14:2)
(Hydroelectric power stations)